

ABSTRACT OF THE DISCLOSURE

An optical module comprising: an optical fiber; an optical element having an optical section and with a fixed  
5 position relative to the optical fiber; and a semiconductor chip  
electrically connected to the optical element, and the optical  
element and semiconductor chip being packaged. A hole is formed  
in the semiconductor chip, and the optical element is mounted  
on the semiconductor chip with the optical section facing the  
10 hole, and the optical fiber is inserted in the hole and fitted  
to the semiconductor chip.